



## Lenovo IdeaCentre B540 Intel® Core™ i5 i5-3450S 58,4 cm (23") 1920 x 1080 pixels Touchscreen All-in-One PC 4 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® 615M Windows 8 Black, Silver

**Brand :** Lenovo

**Product code:** 57-308817

**Product name :** IdeaCentre B540

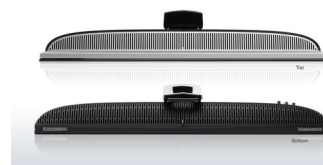
Intel Core i5-3450S(2.8GHz), 4GB RAM, 1000GB HDD, Windows 8 64

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### Your all-in-one entertainment future

Amplify your home entertainment experience with a desktop that merges slim, modern design with state-of-the-art multimedia features. Play 3D games, enjoy thrilling movies or catch your favorite TV shows in HD — all on a crisp, widescreen display.

- Integrated stereo speakers with Dolby® Advanced Audio™ v2;
- HDMI output and a 6-in-1 card reader;
- Integrated 720p high-sense webcam;
- Internal power adapter for tidier cable management;
- Easy access to hard drive and memory for simple upgrades.



Display		Ports & interfaces	
Display diagonal *	58,4 cm (23")	Ethernet LAN (RJ-45) ports	1
Display resolution *	1920 x 1080 pixels	USB 2.0 ports quantity *	6
Touchscreen *	✓	HDMI ports quantity *	1
Full HD	✓	Headphone outputs	1
HD type *	Full HD	Microphone in	✓
LED backlight	✓	DC-in jack	✓
Touch technology	Multi-touch	Mini PCI Express slots	2
Native aspect ratio	16:9	Design	
Display brightness	250 cd/m²	Product colour *	Black, Silver
Display surface	Gloss	Cable lock slot	✓
Processor		Performance	
Processor manufacturer *	Intel	Product type *	All-in-One PC
Processor family *	Intel® Core™ i5	Motherboard chipset	Intel® H61 Express
Processor generation	3rd gen Intel® Core™ i5	Software	
Processor model *	i5-3450S	Operating system architecture	64-bit
Processor cores	4	Operating system installed *	Windows 8
Processor threads	4	Processor special features	
Processor boost frequency	3,5 GHz	Intel® Turbo Boost Technology	2.0
Processor frequency *	2,8 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor cache	6 MB	Intel® My WiFi Technology (Intel® MWT)	✗
Processor cache type	Smart Cache	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	5 GT/s	Intel® Anti-Theft Technology (Intel® AT)	✓
64-bit computing	✓	Intel® Wireless Display (Intel® WiDi)	✓
Thermal Design Power (TDP)	65 W	Enhanced Intel SpeedStep Technology	✓
PCI Express slots version	3.0	Intel® Quick Sync Video Technology	✓
Processor socket	LGA 1155 (Socket H2)	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor lithography	22 nm		
Processor operating modes	64-bit		
Stepping	E1		
Bus type	DMI		
Processor codename	Ivy Bridge		
Processor series	Intel Core i5-3400 Desktop series		
FSB Parity	✗		

Processor		Processor special features	
PCI Express configurations	1x8, 1x16, 2x4, 2x8	Intel Clear Video Technology	✗
Tcase	69,1 °C	Intel® Insider™	✓
CPU multiplier (bus/core ratio)	28	Intel® InTru™ 3D Technology	✓
Maximum internal memory supported by processor	32 GB	Intel Flex Memory Access	✓
Conflict-Free processor	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory types supported by processor	DDR3-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speeds supported by processor	1333,1600 MHz	Intel Enhanced Halt State	✓
Memory bandwidth supported by processor (max)	25,6 GB/s	Intel VT-x with Extended Page Tables (EPT)	✓
Memory channels supported by processor	Dual	Intel Demand Based Switching	✗
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel TSX-NI	✗
Internal memory *	4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory type	DDR3-SDRAM	Intel 64	✓
Maximum internal memory *	8 GB	Execute Disable Bit	✓
Memory slots	2	Idle States	✓
Memory slots type	SO-DIMM	Thermal Monitoring Technologies	✓
Memory clock speed	1600 MHz	Processor package size	37.5 x 37.5 mm
Storage		Supported instruction sets	AVX, SSE4.1, SSE4.2
Total storage capacity *	1 TB	CPU configuration (max)	1
Storage media *	HDD	Embedded options available	✗
Number of storage drives installed	1	Graphics & IMC lithography	22 nm
Number of hard drives installed	1	Thermal solution specification	PCG 2011C
Hard drive speed	7200 RPM	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Hard drive interface	SATA II	Intel Identity Protection Technology version	1,00
Optical drive type *	DVD±RW	Intel Secure Key Technology version	1,00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel TSX-NI version	0,00
Discrete graphics card model *	NVIDIA® GeForce® 615M	Intel Dual Display Capable Technology	✗
Discrete graphics card memory	2 GB	Intel FDI Technology	✓
Discrete graphics memory type	GDDR3	Intel Rapid Storage Technology	✗
On-board graphics card *	✓	Intel Fast Memory Access	✓
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	65512
On-board graphics card model *	Intel® HD Graphics 2500	Power	
On-board graphics card base frequency	650 MHz	AC adapter power	200 W
On-board graphics card dynamic frequency (max)	1100 MHz	Weight & dimensions	
Number of displays supported (on-board graphics)	3	Width (with stand)	576,6 mm
On-board graphics card ID	0x152	Depth (with stand)	110,3 mm
Audio		Height (with stand)	411,9 mm
Built-in speaker(s) *	✓	Weight (with stand)	9,18 kg
RMS rated power	6 W	Sustainability	
Audio system	HD	Sustainability certificates	ENERGY STAR
Camera		Packaging content	
Built-in camera *	✓	Mouse included	✓
Camera resolution	1280 x 720 pixels	Keyboard included	✓
Network		AC adapter included	✓
Wi-Fi *	✓	Quick start guide	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Other features	
Ethernet LAN *	✓	Storage drive interface	Serial ATA II
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth *	✗		

## Catalog Object Cloud



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